

## Language of Biology – Ecology of the Individual

This Table reflects how concepts are linked

Each concept is Hyperlinked to the other terms – Follow instructions when hovering over the word.

This is a first draft and plan to attach websites to it

Concept	Definition	Related Terms	Web Sites
Tolerance	Physiological resistance	<a href="#">Abiotic</a> <a href="#">Biotic</a> <a href="#">Adaptation</a>	
Adaptation	The adjustment or changes in behavior, physiology, and structure of an organism to become more suited to an environment.	<a href="#">Structural</a> <a href="#">Functional</a> <a href="#">Physiological</a> <a href="#">Behavioural</a> <a href="#">Biotic</a> <a href="#">Abiotic</a> <a href="#">Stress</a> <a href="#">Acclimatisation</a> <a href="#">Niche</a> <a href="#">Habitat</a> <a href="#">Gause</a> <a href="#">Tolerance</a>	
Structural	An alteration or adjustment in structure or habits, often hereditary, by which a species or individual improves its condition in relationship to its environment.	<a href="#">Adaptation</a>	
Functional	A Process adaptation e.g. Photosynthesis	<a href="#">Adaptation</a> <a href="#">Physiological</a>	
Physiological	A Process adaptation e.g. Photosynthesis	<a href="#">Adaptation</a> <a href="#">Functional</a>	
Behavioural	A change in behaviour to help an organism survive in an environment	<a href="#">Adaptation</a>	

<b>Biotic</b>	<i>Associated with or derived from living organisms. The biotic factors in an environment include the organisms themselves as well as such items as predation, competition for food resources, and symbiotic relationships</i>	<u><a href="#">Abiotic</a></u>	
<b>Abiotic</b>	<i>Not associated with or derived from living organisms. Abiotic factors in an environment include such items as sunlight, temperature, wind patterns, and precipitation.</i>	<u><a href="#">Biotic</a></u>	
<b>Stress</b>	<i>Stress is defined as an organism's total response to environmental demands or pressures.</i>	<u><a href="#">Abiotic</a></u> <u><a href="#">Biotic</a></u>	
<b>Acclimatisation</b>	<i>The physiological adaptation of an animal or plant to changes in climate or environment, such as light, temperature, or altitude</i>	<u><a href="#">Abiotic</a></u> <u><a href="#">Biotic</a></u>	
<b>Niche</b>	<i>The function or position of an organism or population within an ecological community.</i>	<u><a href="#">Realised Niche</a></u> <u><a href="#">Ecological Niche</a></u> <u><a href="#">Habitat</a></u> <u><a href="#">Gause</a></u>	
<b>Habitat</b>	<i>The location or environment where an organism (or a thing) is most likely to be found, e.g. the body part of the host of a parasite as in the scalp of the host is the habitat of a head louse.</i>	<u><a href="#">Territory</a></u> <u><a href="#">Home Range</a></u>	
<b>Gause</b>	<i>The theory that two species cannot share exactly the same habitat, for otherwise in the course of time one would have eliminated the other through natural selection.</i>	<u><a href="#">Niche</a></u> <u><a href="#">Adaptation</a></u>	
<b>Realised Niche</b>	<i>The part of fundamental niche that an organism occupies as a result of limiting factors present in its habitat.</i>	<u><a href="#">Abiotic</a></u> <u><a href="#">Biotic</a></u> <u><a href="#">Ecological</a></u> <u><a href="#">Adaptation</a></u> <u><a href="#">Tolerance</a></u>	

<b>Ecological Niche</b>	<i>The ecological niche involves both the place where an organism lives and the roles that an organism does in its habitat. For example, the ecological niche of a sunflower growing in the backyard includes absorbing light, water and nutrients (for photosynthesis), providing shelter and food for other organisms (e.g. bees, ants, etc.), and giving off oxygen into the atmosphere</i>	<u><a href="#">Realised Niche</a></u> <u><a href="#">Habitat</a></u> <u><a href="#">Niche</a></u>	
<b>Territory</b>	<i>The area in which an animal normally defends</i>	<u><a href="#">Habitat</a></u> <u><a href="#">Homerange</a></u>	
<b>Home Range</b>	<i>The area in which an animal normally ranges</i>	<u><a href="#">Habitat</a></u> <u><a href="#">Territory</a></u>	